

BY: weaveroc



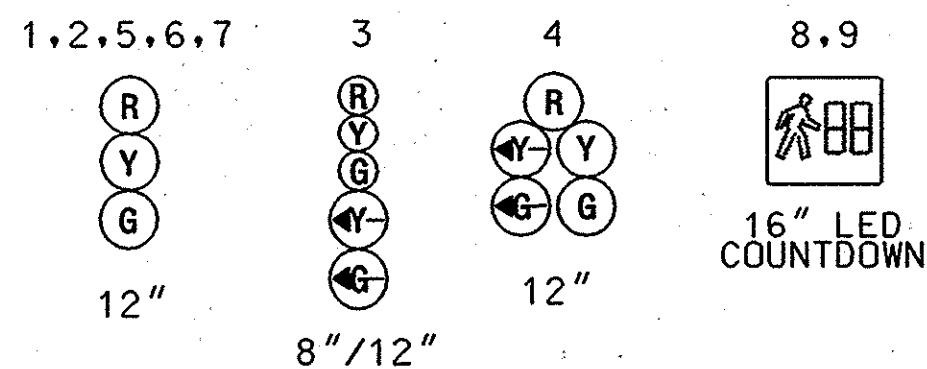
STV Incorporated

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7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

UTILITY LEGEND			
—E—E—	ELECTRIC CABLES	—SD—SD—	STORM DRAIN
—A—A—	AERIAL CABLES	—G—G—	GAS MAIN
—T—T—	TELEPHONE CABLES	—W—W—	WATER MAIN
—F—F—	FIBER-OPTIC	—S—S—	SEWER MAIN

NOTE: MD 424 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

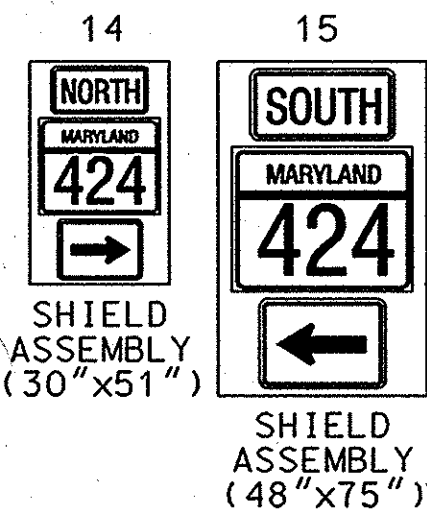
PROPOSED LED SIGNALS



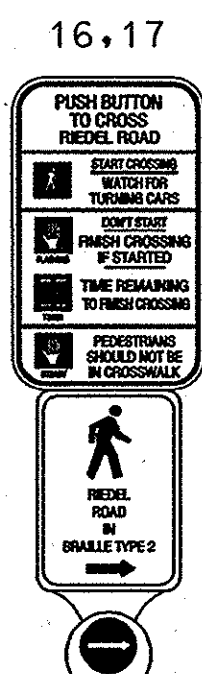
PROPOSED VIDEO DETECTION CAMERA



PROPOSED SIGNS



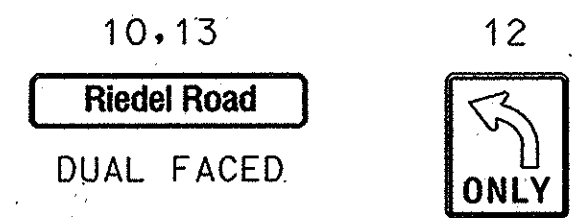
PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN



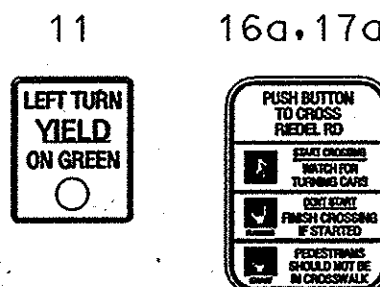
EXISTING SIGNAL HEADS TO BE REMOVED



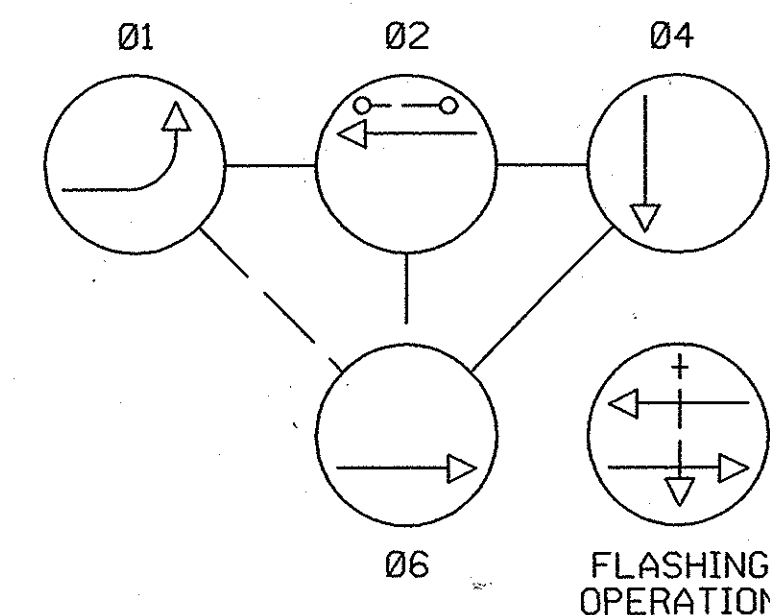
EXISTING SIGNS TO REMAIN



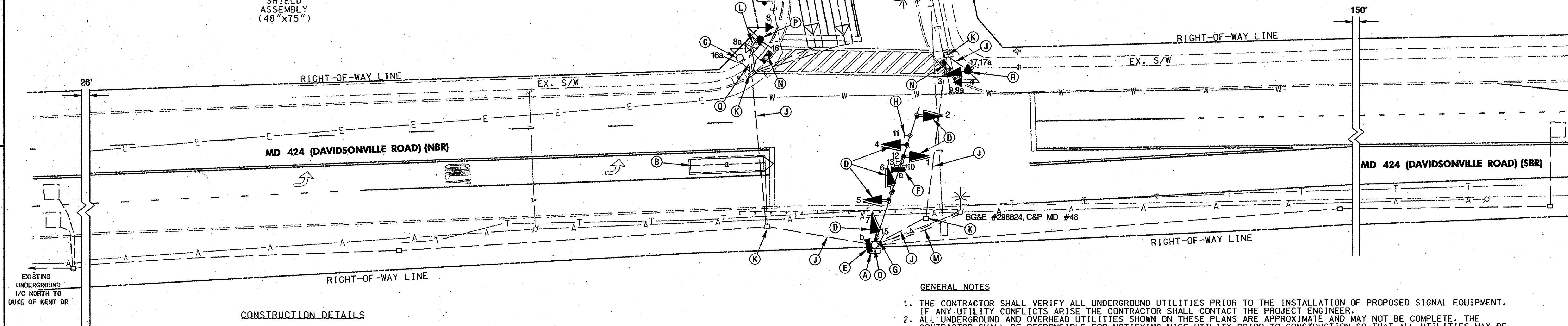
EXISTING SIGNS TO BE REMOVED



NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- USE EXISTING POLE MOUNTED CABINET.
- ABANDON EXISTING LOOP DETECTOR.
- REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE. CAP AND ABANDON EXISTING CONDUIT AT THE NEAREST HANDHOLE.
- REMOVE EXISTING VEHICULAR SIGNAL HEADS AND INSTALL NEW LED VEHICULAR SIGNAL HEADS.
- INSTALL VIDEO DETECTION CAMERA ON EXISTING SIGNAL POLE.
- INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
- INSTALL OVERHEAD SIGN.
- REMOVE OVERHEAD SIGN.
- USE EXISTING CONDUIT.
- USE EXISTING HANDHOLE.
- INSTALL A 5 FT. X 5 FT. CONCRETE PAD AT TOP OF SIDEWALK RAMP. (SEE NOTE 10)
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED, FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT UTILITY POLE FOR USE BY OTHERS.
- INSTALL 24 IN. DETECTABLE WARNING SURFACE (SURFACE APPLIED). (SEE NOTE 9)
- INSTALL A 2 IN. PVC CONDUIT BEND IN EXISTING FOUNDATION.
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN PUSHBUTTON, AND R10-4(1)MOD SIGN TO READ "PUSH BUTTON TO CROSS RIEDEL ROAD". (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
- REMOVE EXISTING PEDESTAL POLE, PUSHBUTTON, SIGN AND PEDESTRIAN SIGNAL HEAD. EXISTING FOUNDATION AND TRANSFORMER BASE SHALL REMAIN. INSTALL NEW 14 FT. PEDESTAL POLE, LED VEHICULAR TRAFFIC SIGNAL HEAD, COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN PUSHBUTTON, AND R10-4(1)MOD SIGN TO READ "PUSH BUTTON TO CROSS RIEDEL ROAD" USING EXISTING TRANSFORMER BASE AND FOUNDATION.
- INSTALL GROUND MOUNTED SIGN ON ONE 4 IN. X 6 IN. WOOD SUPPORT.

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
- VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- SEE GENERAL INFORMATION SHEET FOR VIDEO DETECTION CAMERA AND APS ASSOCIATED PUSHBUTTON LAYOUTS.
- WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- ALL ACCESSIBLE PEDESTRIAN EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT 410-787-7650 TO COORDINATE.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.02; AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- PLACE 24 IN. WIDE DETECTABLE WARNING SURFACE ALONG THE FULLY DEPRESSED PORTION OF THE EXISTING RAMP. THE MAT SHALL NOT EXTEND ONTO THE SIDE FLARES.
- THE CONTRACTOR SHALL INSTALL SIDEWALK (CONCRETE PAD) WITH A DEPTH OF 5 INCHES. THE 4 INCH CONCRETE SIDEWALK QUANTITY HAS BEEN INCREASED BY A FACTOR OF 1.25 TO ACCOUNT FOR THE ADDED DEPTH.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
- PUSHBUTTONS ARE TO BE LOCATED ADJACENT TO A LEVEL (<1:48) LANDING (32'X54') ALONG THE PEDESTRIAN ACCESS ROUTE LEADING TO THE CROSSWALK.

APPROVALS	REVISIONS
TEAM LEADER	© INSTALL VIDEO DETECTION, LED SIGNAL HEADS, AND APS 12/2006
ASSIST. DIV. CHIEF	SHA NO. AT9155185
DIVISION CHIEF	SHA NO. AT9155185
OFFICE DIRECTOR	SHA NO. AT9155185

STV	SHA NO. AT9155185
B. 07/98	ASBUILT AND INSTALL PEDESTRIAN SIGNALS ON RIEDEL ROAD
SHA NO. AW-2795185	
DJD	DAZ
DAZ	BRK
BRK	TH
TH	
DAZ	ETP
ETP	MWN
MWN	TH

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 424 (DAVIDSONVILLE ROAD) AND RIEDEL ROAD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 06/02/1982 CONTRACT NO. 28355T2507625
DESIGNED BY BRUCE THOMPSON COUNTY ANNE ARUNDEL
DRAWN BY BRUCE THOMPSON LOGMILE 020042407.35
CHECKED BY DENNIS J. DODA T.I.M.S. NO. H884
F.A.P. NO. TOD NO.
DRAWING NO. **TS-1864C** SHEET NO. 1 OF 2

PLOTTED: Wednesday, January 10, 2007 AT 11:46 AM
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